



Welcome!

The purpose of today's open house is to discuss the Taft Speedway Flood Mitigation Study and present information on the screened alternatives. Stations for each alternative have been created to allow the public to view information about the various screened alternatives and discuss the study with project representatives.

Screened Alternatives

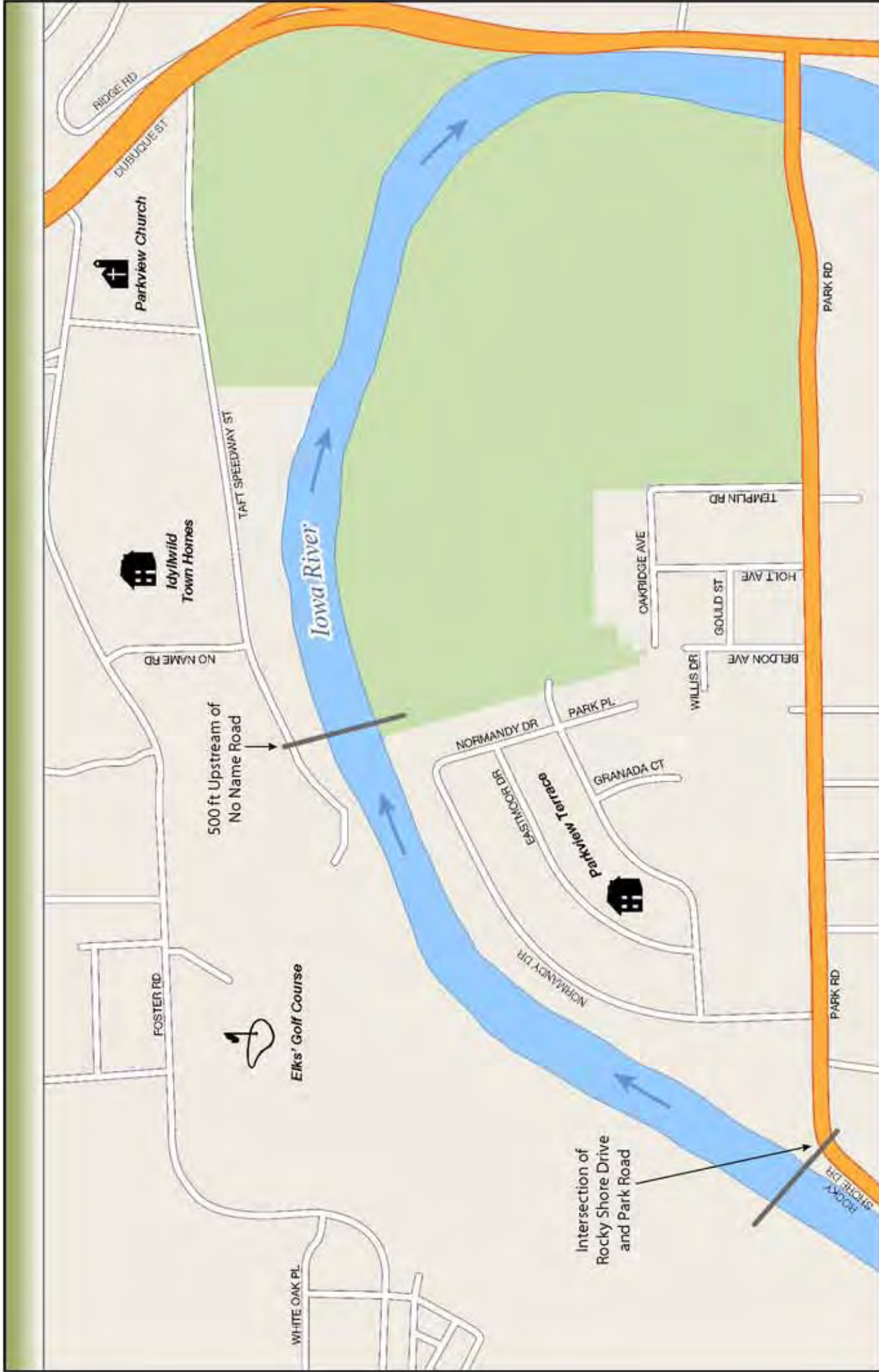
Following our initial public meeting in the fall of 2011, a list of preliminary flood mitigation alternatives was developed and a preliminary screening completed based on the alternative feasibility and ability to meet flood mitigation goals. From this preliminary screening, seven screened alternatives were evaluated.

- **Alternative 2B - Foster Road Raise (500-Year Plus 1 Foot):** Raise Foster Road to provide access to the Peninsula area in the event of high Iowa River elevations; no flood damage mitigation benefits.
- **Alternative 7 - Levee (100-Year Plus 3 Feet):** Earthen levee providing flood mitigation for Idyllwild Neighborhood and Parkview Church.
- **Alternative 8 - Flood Wall (500-Year Plus 3 Feet):** Floodwall providing flood mitigation for Idyllwild Neighborhood and Parkview Church; floodwall required for this level of protection because of extensive levee footprint at this design elevation.
- **Alternative 9A - Levee/Flood Wall (500-Year Plus 3 Feet):** Combination of levee with a floodwall along Taft Speedway where right-of-way is constrained. Provides access to the Peninsula neighborhood and flood mitigation for Idyllwild Neighborhood and Parkview Church.
- **Alternative 9B - Levee/Flood Wall (500-Year Plus 3 Feet with Taft Speedway Raise):** Provides same flood mitigation as Alternative 9A, with Taft Speedway raised within right-of-way to shorten required wall height.
- **Alternative 9C - Levee/Flood Wall (100-Year Plus 3 Feet):** Same as alternative 9A, constructed to the 100-year plus 3 feet level.
- **Alternative 9D - Levee/Flood Wall (100-Year Plus 3 Feet with Taft Speedway Raise):** Same as alternative 9B, constructed to the 100-year plus 3 feet level.

See the individual fact sheets attached for a summary of each screened alternative, with a figure illustrating the key elements of each alternative.

We Want Your Input!

- Stop and ask questions at the stations at today's public open house
- Visit us at www.icgov.org and click on Taft Speedway Flood Mitigation Study (under the "What's Happening" heading) to submit comments
- Attend the next public meeting, scheduled for June 6, 2012 from 6:00 pm – 8:00 pm. Formal presentation at 6:15 pm, followed by questions and answers.



Taft Speedway Flood Mitigation Study Area

Alternative 2B – Foster Road Raise (500-Year Plus 1 Foot)

Project Description

Raise Foster Road to provide access to the Peninsula area in the event of high Iowa River elevations; no flood damage mitigation benefits.

Level of Protection

500-year (0.2% annual exceedance) plus 1 ft of freeboard; approximate elevation 658.0 ft

Project Elements

- Raise 1,500 ft of Foster Road – maximum raise of approximately 8 ft above current grade
- Remove and replace 4,800 ft of 3 water mains along Foster Road
- Reconstruct 31-ft wide urban section of Foster Road on top of raised embankment
- Reconstruct intersections at No Name Road, Idyllwild Drive, and entrance to Parkview Church
- Reconstruct sidewalk on south side of Foster Road

Impacts

- Access roads to Idyllwild and Parkview Church – grades increased to no greater than 8%
- One acre easement required
- Obstructed views by elevated Foster Road embankment

Hydraulic Impacts

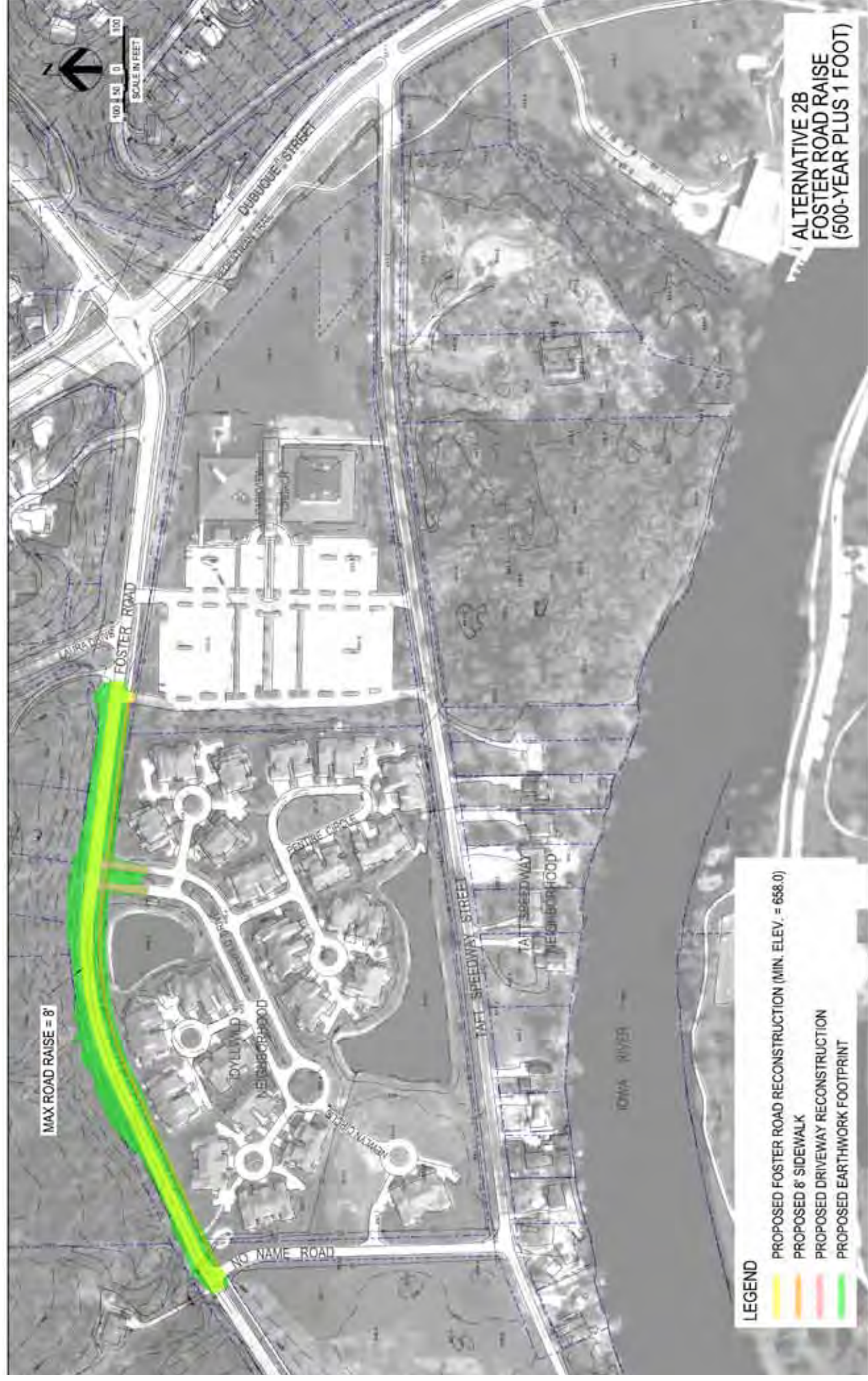
Flood Event (Year)	Intersection Rocky Shore Drive/Park Road		500 ft upstream of No Name Road	
	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)
10	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
500	0.0	-0.4	0.0	-0.4

¹ Water surface elevation impacts based on comparisons to Iowa River hydraulic conditions with all constructed, under-construction, designed, or planned improvements (except Park Road and Dubuque Street improvements) in place.

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Note: Hydraulic modeling provided by Howard R. Green Company under contract to the City of Iowa City.

Alternative 2B – Foster Road Raise (500-Year Plus 1 Foot)



Alternative 7 - Levee (100-Year Plus 3 Feet)

Project Description

Earthen levee providing flood mitigation for Idyllwild Neighborhood and Parkview Church.

Level of Protection

100-year (1.0% annual exceedance) plus 3 ft of freeboard; approximate elevation 654.0 ft

Project Elements

- Construct 3,800 ft of levee – maximum height of approximately 8.5 ft above current grade of Taft Speedway
- Reconstruct rural section of No Name Road and Taft Speedway on top of raised embankment
- Remove and replace 1,300 ft of sanitary sewer along Taft Speedway
- Remove and replace 3,400 ft of water main under No Name Road and Taft Speedway
- Reconstruct 9 Taft Speedway access points, 3 Parkview Church access points, and one Idyllwild access point
- Construct stormwater pump station system

Impacts

- Access roads to Idyllwild, Parkview Church, and Taft Speedway residents – grades of 10-13%
- Two acres of easement required
- Obstructed views to the north for Taft Speedway residents; obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

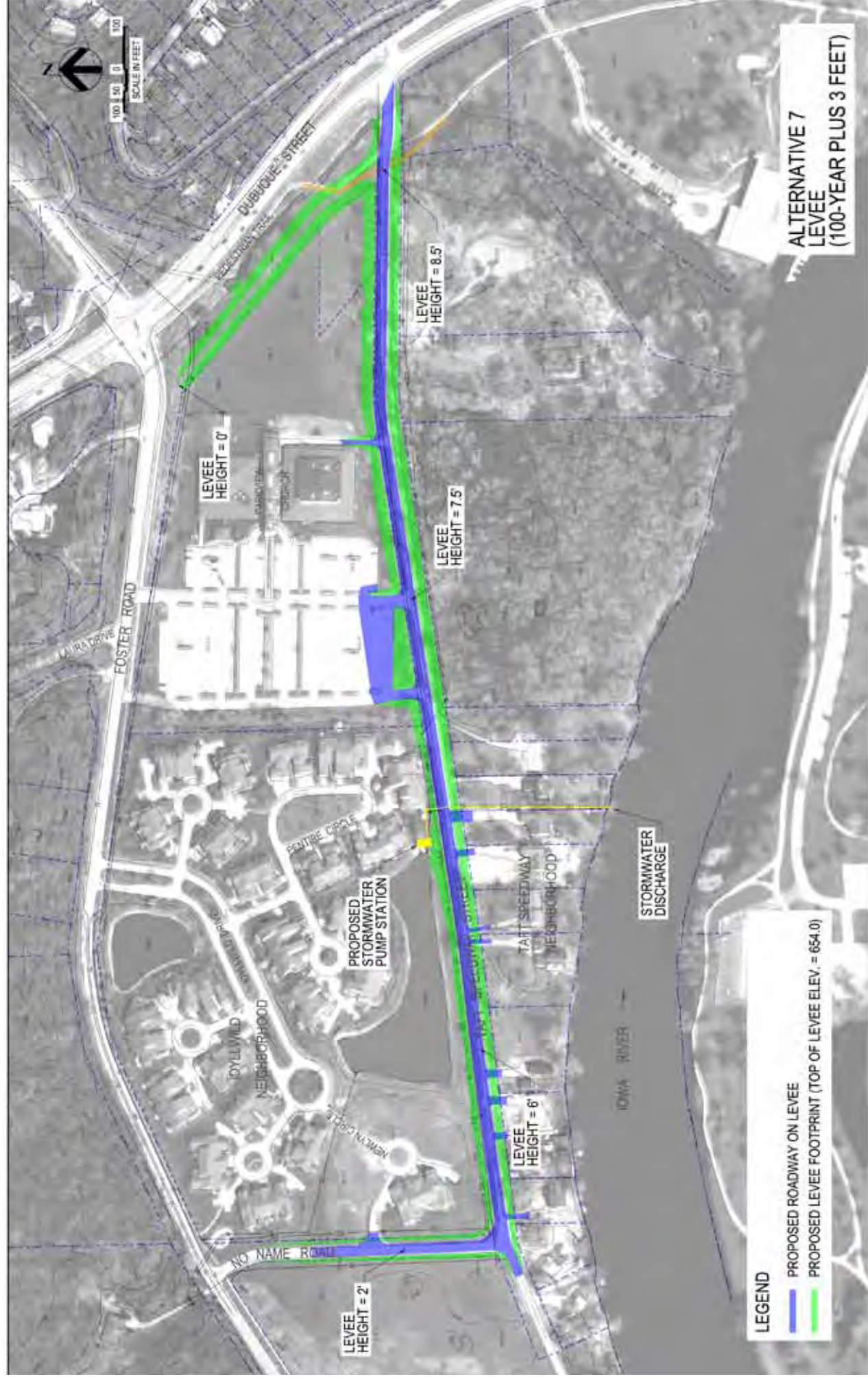
Flood Event (Year)	Intersection Rocky Shore Drive/Park Road		500 ft upstream of No Name Road	
	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)
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50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
500	0.0	-0.4	0.0	-0.4

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Note: Hydraulic modeling provided by Howard R. Green Company under contract to the City of Iowa City.

Alternative 7 - Levee (100-Year Plus 3 Feet)



Alternative 8 - Flood Wall (500-Year Plus 3 Feet)

Project Description

Floodwall providing flood mitigation for Idyllwild Neighborhood and Parkview Church; floodwall required for this level of protection because of extensive levee footprint at this design elevation.

Level of Protection

500-year (0.2% annual exceedance) plus 3 ft of freeboard; approximate elevation 660.0 ft

Project Elements

- Construct 3,800 ft of concrete flood wall – height varies from 10 to 16 ft above current grade along Taft Speedway
- Remove and replace of 100 ft of sanitary sewer crossing flood wall and Taft Speedway
- Remove and replace of 80 ft of storm sewer crossing flood wall and Taft Speedway
- Remove and replace of 1,300 ft of sanitary sewer along Taft Speedway
- Remove and replace of 2,730 ft of water main under Taft Speedway
- Modify 3 Parkview Church access points and one Idyllwild access point for flood gates
- Construct stormwater pump station system

Impacts

- Modifications to access roads for Idyllwild and Parkview Church to include flood gates
- One acre of easement required
- Obstructed views to the north for Taft Speedway residents; obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

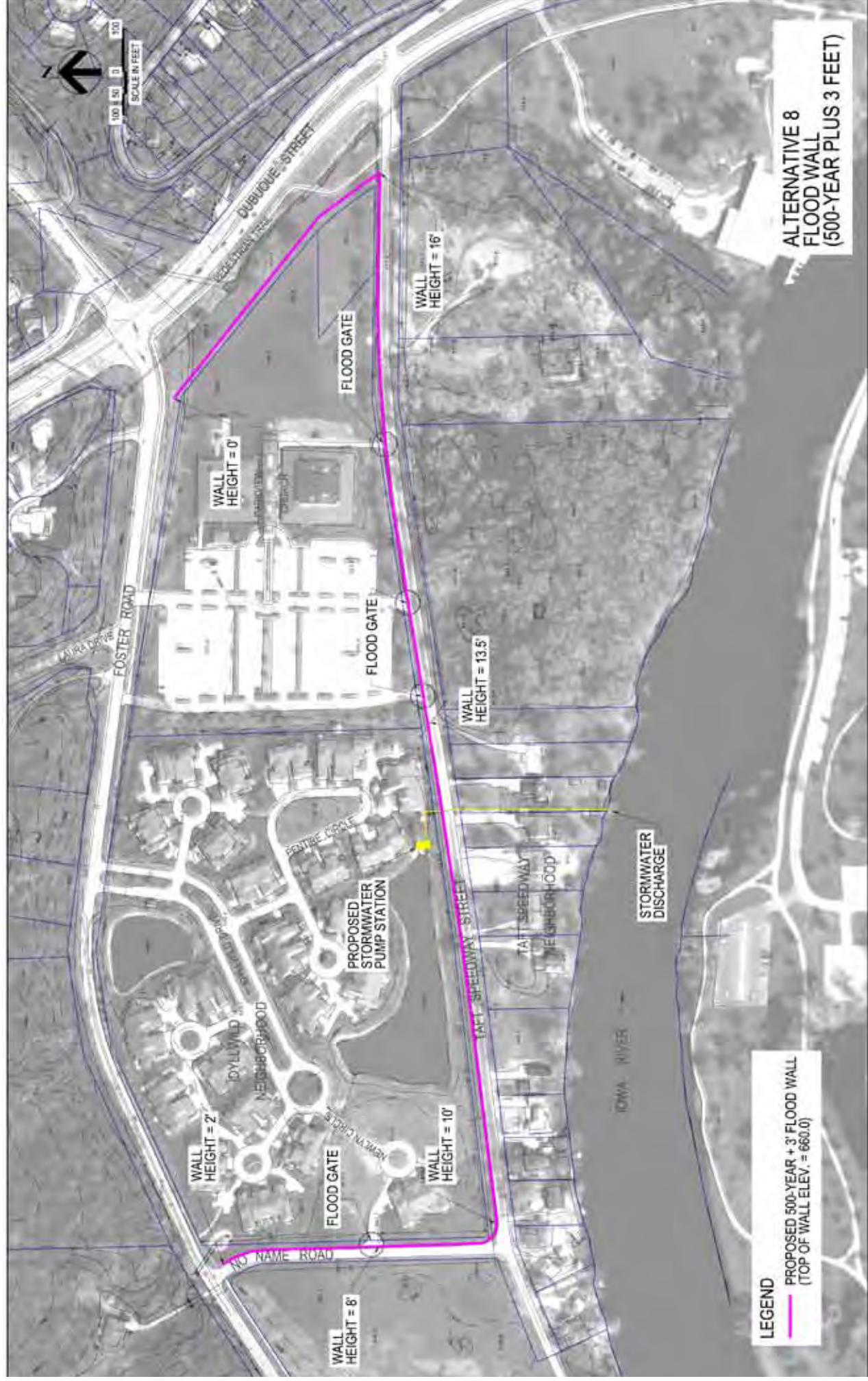
Flood Event (Year)	Intersection Rocky Shore Drive/Park Road		500 ft upstream of No Name Road	
	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)
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50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
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Note: Hydraulic modeling provided by Howard R. Green Company under contract to the City of Iowa City.

Alternative 8 - Flood Wall (500-Year Plus 3 Feet)



Alternative 9A - Levee/Flood Wall (500-Year Plus 3 Feet)

Project Description

Combination of levee with a floodwall along Taft Speedway where right-of-way is constrained. Provides access to the Peninsula neighborhood and flood mitigation for Idyllwild Neighborhood and Parkview Church.

Level of Protection

500-year (0.2% annual exceedance) plus 3 ft of freeboard; approximate elevation 660.0 ft

Project Elements

- Construct 1,900 ft of levee – maximum height of approximately 16 ft above current grade of Taft Speedway
- Construct 2,300 ft of concrete flood wall – height varies from 10 to 14 ft along Taft Speedway
- Reconstruct rural section of No Name Road and Taft Speedway on top of raised embankment
- Remove and replace of 1,900 ft of sanitary sewer along No Name Road and Taft Speedway
- Remove and replace of 80 ft of storm sewer crossing flood wall and Taft Speedway
- Remove and replace of 3,400 ft of water main under No Name Road and Taft Speedway
- Reconstruct one Idyllwild access point
- Modify 3 Parkview Church access points for flood gates
- Construct stormwater pump station system

Impacts

- Modifications to access roads for Parkview Church to include flood gates; impact to east Idyllwild access
- One acre of easement required
- Obstructed views to the north for Taft Speedway residents, obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

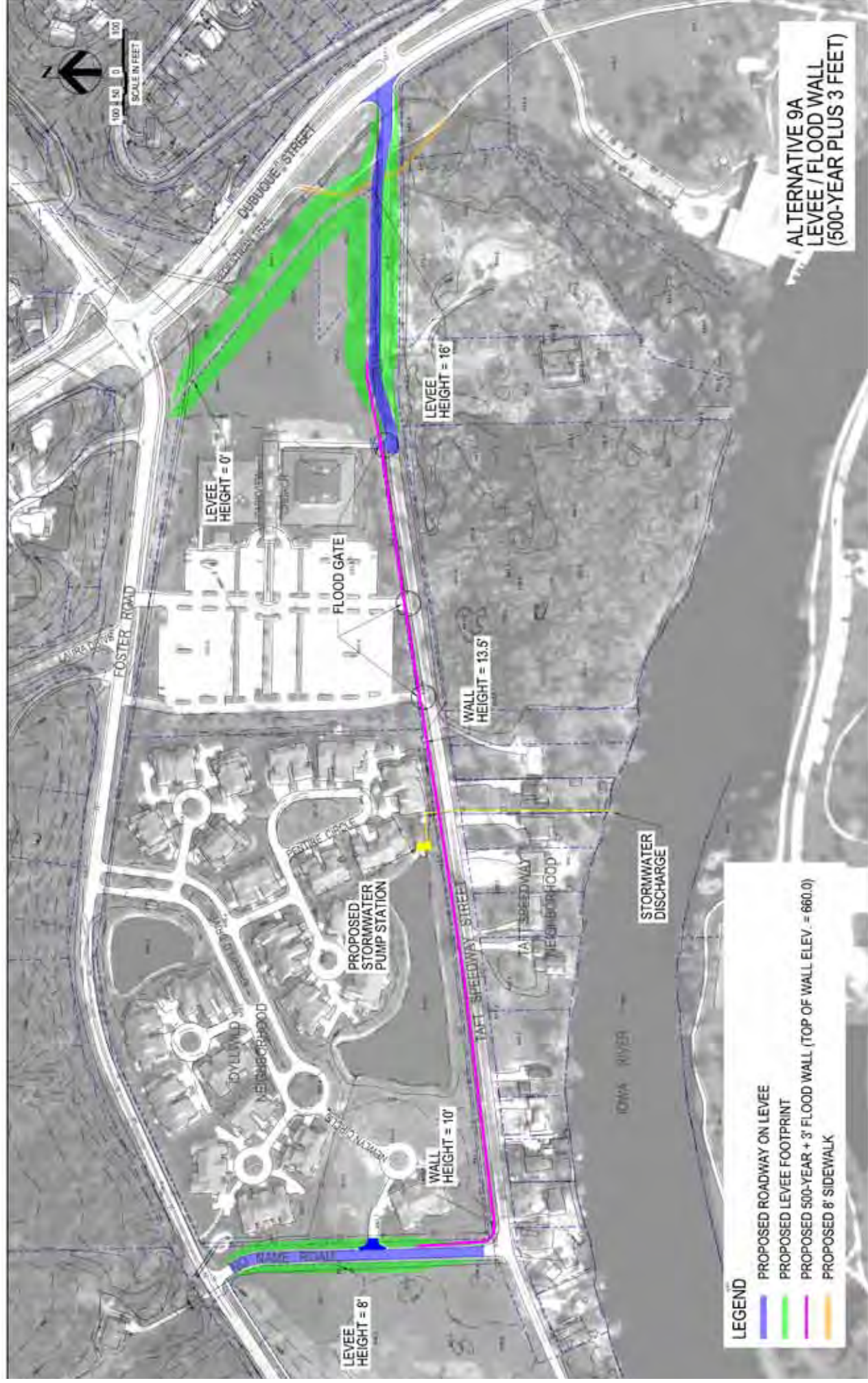
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50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
500	0.0	-0.4	0.0	-0.4

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Alternative 9A - Levee/Flood Wall (500-Year Plus 3 Feet)



Alternative 9B - Levee/Flood Wall (500-Year Plus 3 Feet with Taft Speedway Raise)

Project Description

Provides same flood mitigation as Alternative 9A, with Taft Speedway raised within right-of-way to shorten required wall height.

Level of Protection

500-year (0.2% annual exceedance) plus 3 ft of freeboard; approximate elevation 660.0 ft

Project Elements

- Construct 1,900 ft of levee – maximum height of approximately 16 ft above current grade of Taft Speedway
- Construct 2,300 ft of concrete flood wall – height varies from 7.5 to 11 ft above proposed grade of Taft Speedway
- Reconstruct rural section of No Name Road and Taft Speedway on top of raised embankment
- Raise western 2/3 of Taft Speedway profile 2 to 4 ft, and reconstruct roadway
- Replace 1,900 ft of sanitary sewer along No Name Road and crossing of Taft Speedway
- Remove and replace 80 ft of storm sewer crossing flood wall and Taft Speedway
- Remove and replace 3,400 ft of water main under No Name Road and Taft Speedway
- Construct stormwater pump station system

Impacts

- Access roads to Taft Speedway Residents – maximum grades of 5 to 7%
- Modifications to access roads for Parkview Church to include flood gates; impact to east Idyllwild access
- One acre of easement required
- Obstructed views to the north for Taft Speedway residents; obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

Flood Event (Year)	Intersection Rocky Shore Drive/Park Road		500 ft upstream of No Name Road	
	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)	Impacts of Alternative Alone ¹ (ft)	Impacts of Alternative With Park Road and Dubuque Street Improvements ² (ft)
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50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
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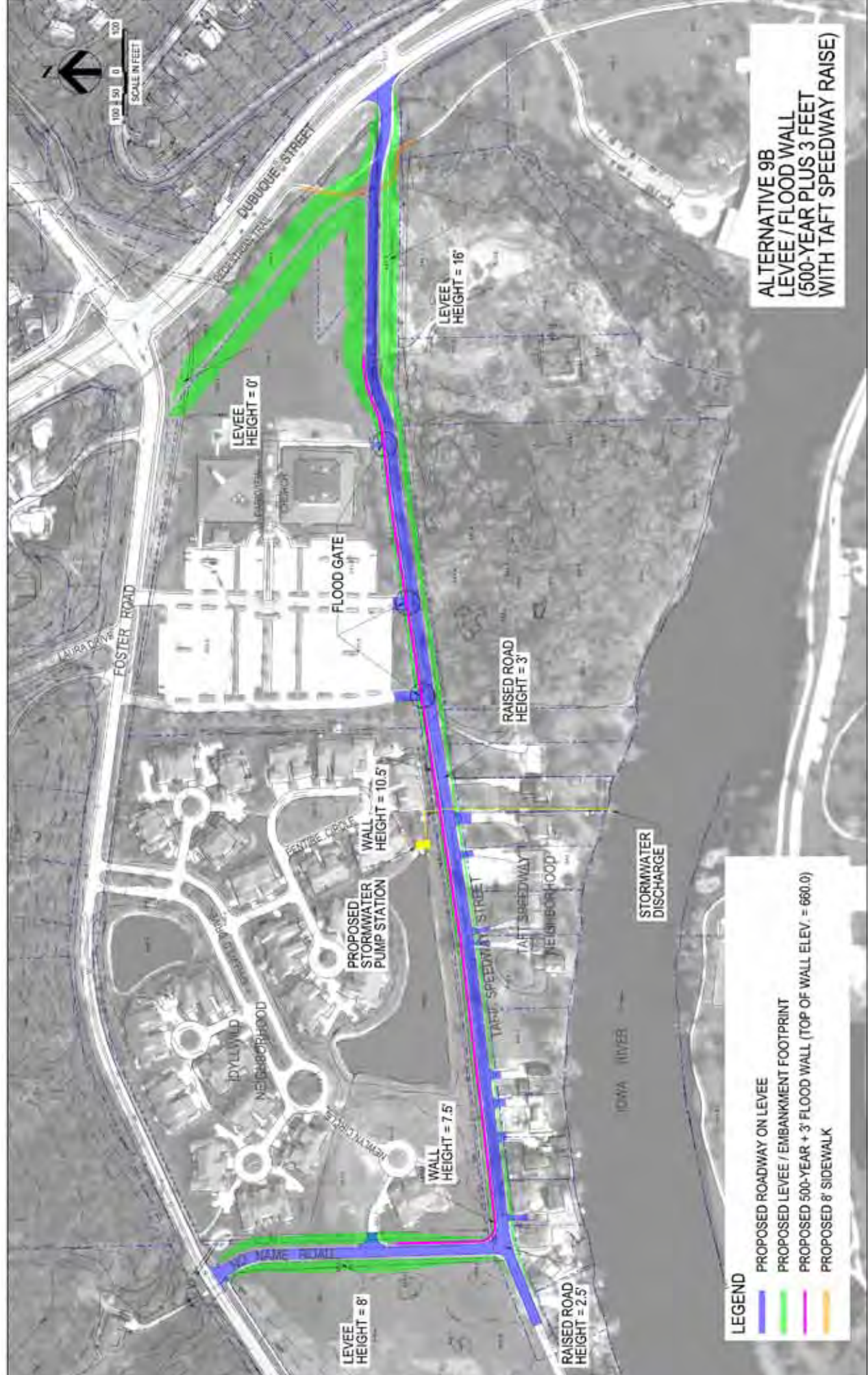
Map Labels:

- LEVEE HEIGHT = 8'
- RAISED ROAD HEIGHT = 2.5'
- WALL HEIGHT = 7.5'
- PROPOSED STORMWATER PUMP STATION
- WALL HEIGHT = 10.5'
- RAISED ROAD HEIGHT = 3'
- LEVEE HEIGHT = 16'
- LEVEE HEIGHT = 0'
- FLOOD GATE
- TAFT SPEEDWAY STREET
- STORMWATER DISCHARGE
- JOYLLAND NEIGHBORHOOD
- NEWARK NEIGHBORHOOD
- TAFT SPEEDWAY NEIGHBORHOOD
- FOSTER ROAD
- DUBUQUE STREET
- SCALE IN FEET
- 100 50 0 50 100
- IONA RIVER

LEGEND

- PROPOSED ROADWAY ON LEVEE
- PROPOSED LEVEE / EMBANKMENT FOOTPRINT
- PROPOSED 500-YEAR + 3' FLOOD WALL (TOP OF WALL ELEV. = 660.0)
- PROPOSED 8' SIDEWALK

**ALTERNATIVE 9B
LEVEE / FLOOD WALL
(500-YEAR PLUS 3 FEET
WITH TAFT SPEEDWAY RAISE)**



Alternative 9C- Levee/Flood Wall (100-Year Plus 3 Feet)

Project Description

Same as alternative 9A, constructed to the 100-year plus 3 feet level.

Level of Protection

100-year (0.2% annual exceedance) plus 3 ft of freeboard; approximate elevation 654.0 ft

Project Elements

- Construct 1,900 ft of levee – maximum height of approximately 8.5 ft above current grade of Taft Speedway
- Construct 2,300 ft of concrete flood wall – height varies from 4 to 8 ft along Taft Speedway
- Reconstruct rural section of No Name Road and Taft Speedway on top of raised embankment
- Remove and replace 100 ft of sanitary sewer crossing flood wall and Taft Speedway
- Remove and replace 80 ft of storm sewer crossing flood wall and Taft Speedway
- Remove and replace 3,400 ft of water main under No Name Road and Taft Speedway
- Reconstruct one Idyllwild access point
- Modify 3 Parkview Church access points for flood gates
- Construct stormwater pump station system

Impacts

- Modifications to access roads for Parkview Church to include flood gates; impact to east Idyllwild access
- One acre of easement required
- Obstructed views to the north for Taft Speedway residents; obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

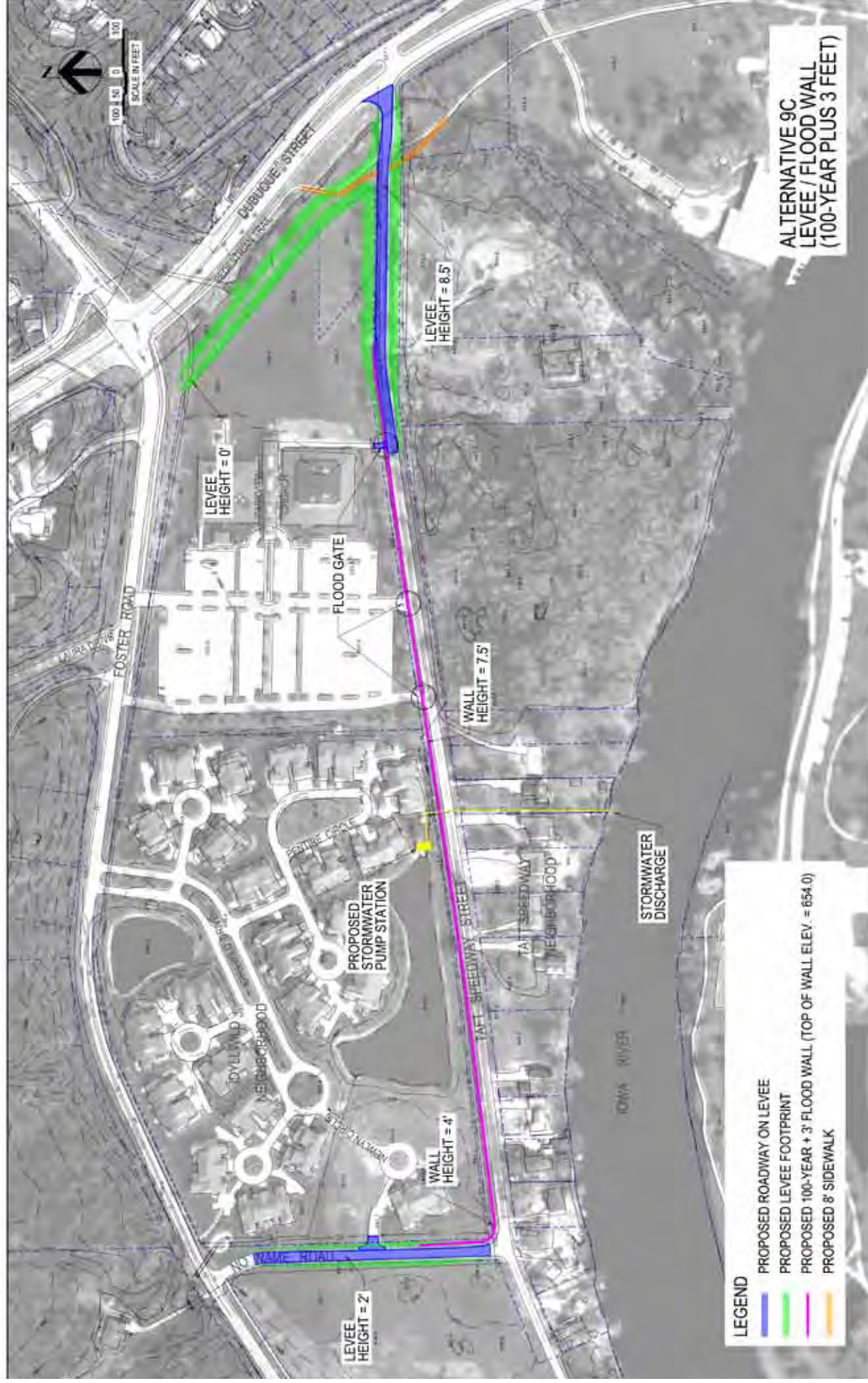
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Alternative 9C- Levee/Flood Wall (100-Year Plus 3 Feet)



Alternative 9D- Levee/Flood Wall (100-Year Plus 3 Feet With Taft Speedway Raise)

Project Description

Same as alternative 9B, constructed to the 100-year plus 3 feet level.

Level of Protection

100-year (0.2% annual exceedance) plus 3 ft of freeboard; approximate elevation 654.0 ft

Project Elements

- Construct 1,900 ft of levee – maximum height of approximately 8.5 ft above current grade of Taft Speedway
- Construct 2,300 ft of concrete flood wall – height varies from 1.5 to 5 ft above proposed grade of Taft Speedway
- Reconstruct rural section of No Name Road and Taft Speedway on top of raised embankment
- Raise western 2/3 of Taft Speedway profile 2 to 4 ft, reconstruct roadway
- Replace 100 ft of sanitary sewer crossing of Taft Speedway
- Remove and replace 80 ft of storm sewer crossing flood wall and Taft Speedway
- Remove and replace 3,400 ft of water main under No Name Road and Taft Speedway
- Construct stormwater pump station system

Impacts

- Access roads to Taft Speedway Residents – maximum grades of 5-8%
- Modifications to access roads for Parkview Church to include flood gates; impact to east Idyllwild access
- One acre of easement required
- Obstructed views to the north for Taft Speedway residents; obstructed river views to south and east for Idyllwild residents

Hydraulic Impacts

Flood Event (Year)	Intersection Rocky Shore Drive/Park Road		500 ft upstream of No Name Road	
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50	0.0	0.0	0.0	0.0
100	0.0	-0.3	0.0	-0.3
500	0.0	-0.4	0.0	-0.4

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Alternative 9D - Levee/Flood Wall (100-Year Plus 3 Feet With Taft Speedway Raise)

